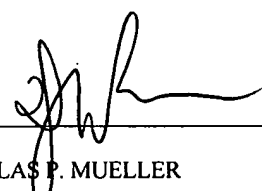


|  |  |   |  |
|--|--|---|--|
| FORM PTO-1390<br>(REV 10-94)   |  | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER<br>14434.82USWO                                       |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371   |  |   | U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5)<br>UNKNOWN <b>10/550865</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/005037   | INTERNATIONAL FILING DATE<br>APRIL 7, 2004 | PRIORITY DATE CLAIMED<br>APRIL 9, 2003                  |  |
| TITLE OF INVENTION<br>REINFORCEMENT CORD FOR RUBBER REINFORCEMENT AND RUBBER PRODUCT INCLUDING THE SAME  |  |   |  |
| APPLICANT(S) FOR DO/EO/US<br>AKIYAMA et al.  |  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |  |   |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I).</li> <li>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |  |   |  |
| <b>Items 11. to 16. below concern document(s) or information included:</b>   |  |   |  |
| 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.   |  |   |  |
| 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.  |  |   |  |
| 13. <input type="checkbox"/> A FIRST preliminary amendment.<br><input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.  |  |   |  |
| 14. <input type="checkbox"/> A substitute specification.   |  |   |  |
| 15. <input type="checkbox"/> A change of power of attorney and/or address letter.  |  |   |  |
| 16. <input checked="" type="checkbox"/> Other items or information: Application Data Sheet (4 pages), Communication Under 37 C.F.R. 1.32(c)(3), Change of Address, International Publication Page of WO 2004/090224 A1, Form PCT/ISA/210 (in English and Japanese language), Communication re: Requested Figure, Form PCT/IB/301, Form PCT/IB/304, Form PCT/IB/306 (2), Form PCT/IB/308, Form PCT/RO/101.  |  |   |  |

|   |              |   |            |                          |   |
|---|--------------|---|------------|--------------------------|---|
| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)  |              | INTERNATIONAL APPLICATION NO.   |            | ATTORNEY'S DOCKET NUMBER |   |
| UNKNOWN <b>10/550865</b>  |              | PCT/JP2004/005037   |            | 14434.82USWO             |   |
| <b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):</b>  |              |   |            |                          |   |
| [X] a) Basic National fee.....  |              |   |            | \$300.00                 | \$300.00  |
| [X] b) Examination fee.....   |              |   |            | \$200.00                 | \$200.00  |
| [X] c) Search fee.....  |              |   |            | \$500.00                 | \$500.00  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |   |            | \$1000.00                |   |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. |              |   |            |                          |   |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) |            | Rate                     |   |
| 19 - 100 =  | 0 / 50 =     |   |            | X \$250.00               | \$0.00  |
| Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).   |              |   |            | \$0.00                   |   |
| CLAIMS  | NUMBER FILED | NUMBER EXTRA  | RATE       |                          |   |
| Total claims  | 11 - 20 =    | 0   | X \$50.00  | \$0.00                   |   |
| Independent claims  | 1 - 3 =      | 0   | X \$200.00 | \$0.00                   |   |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)   |              |   | + \$360.00 | \$0.00                   |   |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>  |              |   |            | \$1000.00                |   |
| Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27  |              |   |            | \$0.00                   |   |
| <b>SUBTOTAL =</b>   |              |   |            | \$1000.00                |   |
| Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |   |            | + \$0.00                 |   |
| <b>TOTAL NATIONAL FEE =</b>   |              |   |            | \$1000.00                |   |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property  |              |   |            | + \$40.00                |   |
| <b>TOTAL FEES ENCLOSED =</b>  |              |   |            | \$1000.00                |   |
|   |              |   |            | <b>Amount to be:</b>     |   |
|   |              |   |            | <b>refunded</b>          | \$0.00  |
|   |              |   |            | <b>charged</b>           | \$0.00  |
|   |              |   |            |                          |   |
| a. [X] Check(s) in the amount of \$1040.00 to cover the above fees is enclosed.   |              |   |            |                          |   |
| b. [ ] Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.<br>A duplicate copy of this sheet is enclosed.   |              |   |            |                          |   |
| c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-3478.   |              |   |            |                          |   |
| <b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>                                  |              |   |            |                          |   |
| SEND ALL CORRESPONDENCE TO:<br>DOUGLAS P. MUELLER<br>Hamre, Schumann, Mueller & Larson, P.C.<br>P.O. Box 2902-0902<br>Minneapolis, MN 55402   |              |   |            |                          |   |
|   |              |   |            | SIGNATURE:               |  |
|   |              |   |            | NAME:                    | DOUGLAS P. MUELLER  |
|   |              |   |            | REGISTRATION NUMBER:     | 30,300  |

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC09 Rec'd PCT/PTO 26 SEP 2009

Applicant: AKIYAMA et al.

Docket: 14434.82USWO

Title: REINFORCEMENT CORD FOR RUBBER REINFORCEMENT AND RUBBER  
PRODUCT INCLUDING THE SAME**CERTIFICATE UNDER 37 CFR 1.10:**

"Express Mail" mailing label number: ED 978840634 US

Date of Deposit: SEPTEMBER 26, 2005

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450.

By: 

Name: RALYNN WILHELM

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

We are transmitting herewith the attached:

- ☒ Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- ☒ National Stage PCT Patent Application: Spec. 14 pgs; 11 claims (2 pages); Abstract 1 pg.  
The fee has been calculated as shown below in the 'Claims as Filed' table.
- ☒ 2 sheets of formal drawings
- ☒ A signed Combined Declaration and Power of Attorney
- ☒ Assignment of the invention to Nippon Sheet Glass Company, Limited, Recordation Form Cover Sheet
- ☒ Check in the amount of \$1000.00 for the Filing Fee and \$40.00 for the Assignment Recording Fee
- ☒ Application Data Sheet, 4 pages.
- ☒ Other: Form PTO-1390, Copy of the International Application as filed, translation of the International Application into English, International Publication page of WO 2004/090224 A1, Form PCT/ISA/210 (in English and Japanese language) Communication re: Change of Address, Communication Under 37 C.F.R. 1.32(c)(3), Communication re: Requested Figure, Form PCT/IB/301, Form PCT/IB/304, Form PCT/IB/306 (2), Form PCT/IB/308, Form PCT/RO/101.
- ☒ Return postcard

## CLAIMS AS FILED

| Number of Claims Filed        | No. | In Excess of | Extra | Rate   | Fee       |
|-------------------------------|-----|--------------|-------|--------|-----------|
| Total Claims                  | 11  | 20           | 0     | 50.00  | = 0.00    |
| Independent Claims            | 1   | 3            | 0     | 200.00 | = 0.00    |
| Multiple Dependent Claims Fee |     |              |       |        | = 0.00    |
| Basic Filing Fee              |     |              |       |        | = 300.00  |
| Search Fee                    |     |              |       |        | = 500.00  |
| Examination Fee               |     |              |       |        | = 200.00  |
| Utility Application Size Fee  | 19  | 100          | 0     | 250.00 | = 0.00    |
| Total                         |     |              |       |        | = 1000.00 |

Please charge any additional fees or credit overpayment to Deposit Account No. 50-3478. A duplicate of this sheet is enclosed.

Hamre, Schumann, Mueller & Larson, P.C.  
P.O. Box 2902-0902 Minneapolis, MN 55402  
612.455-3800By: 

Name: Douglas P. Mueller

Reg. No.: 30,300

Initials: DPM:nel

52835

PATENT TRADEMARK OFFICE

(PTO TRANSMITTAL - NEW FILING)

S/N Unknown

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: AKIYAMA et al. Examiner: Unknown  
Serial No.: Unknown Group Art Unit: Unknown  
Filed: Concurrent herewith Docket No.: 14434.82USWO  
Title: REINFORCING CORD FOR RUBBER REINFORCEMENT AND  
RUBBER PRODUCT INCLUDING THE SAME

CERTIFICATE UNDER 37.CFR 1.10:

"Express Mail" mailing label number: ED 978840634 US

Date of Deposit: SEPTEMBER 26, 2005

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 

Name: R. LYNN WILHELM

COMMUNICATION UNDER 37 C.F.R. §1.32(c)(3)

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.32 (c)(3) please appoint the following practitioners named in the Power of Attorney to be recognized by the U.S. Patent Office as being of record in the above-identified application:

Curtis B. Hamre (29,165)  
Douglas P. Mueller (30,300)

James A. Larson (40,443)  
Michael D. Schumann (30,422)

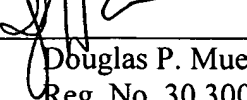
The undersigned was named on the Power of Attorney.

Respectfully submitted,



HAMRE, SCHUMANN, MUELLER & LARSON, P.C.  
P.O. Box 2902  
Minneapolis, Minnesota 55402-0902  
(612) 455.3800

Dated: September 26, 2005

By   
Douglas P. Mueller  
Reg. No. 30,300

DPM:nel

S/N Unknown

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: AKIYAMA et al. Examiner Unknown  
Serial No.: Unknown Group Art Unit: Unknown  
Filed: Concurrent herewith Docket No.: 14434.82USWO  
Title: REINFORCING CORD FOR RUBBER REINFORCEMENT AND  
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CERTIFICATE UNDER 37 CFR 1.10:

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By:   
Name: RALYNN WILHELM

CHANGE OF ADDRESS

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Please change the correspondence address for the above-referenced patent application to:

Hamre, Schumann, Mueller & Larson, P.C.  
P.O. Box 2902-0902  
Minneapolis, MN 55402

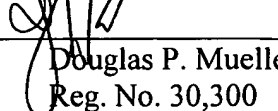
If there are any questions regarding this matter, please call the undersigned at  
612.455.3800.

Respectfully submitted,



HAMRE, SCHUMANN, MUELLER & LARSON, P.C.  
P.O. Box 2902  
Minneapolis, Minnesota 55402-0902  
(612) 455.3800

Dated: September 26, 2005

By   
Douglas P. Mueller  
Reg. No. 30,300

DPM:nel

S/N Unknown

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: AKIYAMA et al. Examiner Unknown  
Serial No.: Unknown Group Art Unit: Unknown  
Filed: Concurrent herewith Docket No.: 14434.82USWO  
Title: REINFORCING CORD FOR RUBBER REINFORCEMENT AND  
RUBBER PRODUCT INCLUDING THE SAME

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: ED 978840634 US

Date of Deposit: SEPTEMBER 26, 2005

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

By: 

Name: RALYNN WILHELM

COMMUNICATION REGARDING REQUESTED FIGURE

MS PCT  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In connection with the above-identified application, applicant respectfully requests that Figure 1 be printed on the front page of the published application.

Respectfully submitted,



HAMRE, SCHUMANN, MUELLER & LARSON, P.C.  
P.O. Box 2902  
Minneapolis, Minnesota 55402-0902  
(612) 455.3800

Dated: September 26, 2005

By 

Douglas P. Mueller  
Reg. No. 30,300

DPM:nel